4717.7880 MULTIPLE CHEMICAL HEALTH RISK LIMITS: NONCANCER.

- Subpart 1. **Scope.** To evaluate the risk of effects other than cancer from multiple chemicals detected in groundwater, a health risk index for each health endpoint must be calculated for each duration period using the procedure specified in this part.
- Subp. 2. **Grouping of chemicals.** Chemicals must be grouped according to health endpoints, other than cancer, specified in part 4717.7860, and according to duration except that:
 - A. chemicals for which no health endpoint is specified will not be grouped; and
- B. a chemical will be included in the group for each health endpoint listed for that chemical.
- Subp. 3. **Equation.** Using the following equation, a noncancer health risk index must be determined for each group of two or more chemicals that have a common health endpoint and common duration period.

Noncancer health risk index_{duration}= C_1 /nHRL_{1duration}+ C_2 /nHRL_{2duration}+...+ C_N /nHRL_{Nduration}

Where:

- A. C_N represents the concentration expressed as $\mu g/L$ of the first through Nth chemical. In the case of a chemical that has been detected but cannot be quantified, C_N is determined by standard statistical procedures.
- B. $nHRL_{Nduration}$ represents the duration specific acute, short-term, subchronic, or chronic noncancer health risk limit expressed as $\mu g/L$ for the first through Nth chemical, as specified in part 4717.7860.

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